| Ir | idex : | of Cl | aims | |
|----|--------|-------|------|--|
| | | | | |

| Application/ | Control No. |
|--------------|-------------|
|--------------|-------------|

10/524,987

Reexamination RAKUTT ET AL.

Applicant(s)/Patent under

Examiner

Art Unit

Alexander Thomas

1794

Rejected **Allowed**

(Through numeral) Cancelled ÷ Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| | | | _ | | | | J | | L | J | | | | | | | | J | | | |
|----------|-------------|--|--|--------------|--|--|--|----------|--------------|----------|-----|-------|----------|-----------|----------|----------|---|--------------|----------------|--------------|----------|
| Cla | aim | | | | | Dat | <u> </u> | - | | | 1 | Cla | aim | | | | | Date | e | | _ |
| Final | | 100 | | | | | | | | | | Final | Original | | | | | | | | |
| | 1 | F | ┢ | ╁ | - | ├ | | \vdash | ┢ | - | 1 1 | | 51 | | + | - | | | | ├ | ╀ |
| <u> </u> | 1 | | \vdash | + | \vdash | | | ╁ | \vdash | ┢ | 1 | | 52 | - | \dashv | - | _ | | - | ⊢ | ╁ |
| | 1 | \vdash | | <u> </u> | ╁ | ┢ | 1 | | \vdash | | 1 1 | | 53 | \vdash | \dashv | | | | - | ╁─ | ╁ |
| | 4 | t | <u> </u> | | | _ | | | | | 1 1 | | 54 | | \dashv | \neg | | | | \vdash | t |
| | = | \vdash | | | T | T | | Г | Г | | | | 55 | T | _ | | | | | | T |
| | (4) | | | | 1 | | | | | | 1 | | 56 | | T | | | | | | Г |
| | 7 | | | | | | | | | | | | 57 | | | | | | | | |
| | 8 | | | | <u> </u> | | | | | |] [| | 58 | | | | | | | | |
| | | <u> </u> | L | ļ | <u> </u> | _ | | | _ | | | | 59 | _ | _ | | | L | | <u> </u> | L |
| | 10 | _ | <u> </u> | _ | _ | _ | <u> </u> | | _ | <u> </u> | | | 60 | | _ | | | Ĺ | <u> </u> | <u> </u> | ┺ |
| | 1 | ļ | ┞ | <u> </u> | ļ | - | - | | | ١. | | | 61 | \perp | _ | | | | <u> </u> | <u> </u> | L |
| - | 12 | ┢ | ├ | | _ | - | <u> </u> | | | | 4 } | | 62 | - | 4 | _ | | ļ | ⊢ | ▙ | ╀ |
| | 13 | | ┝ | ├ | | - | ├ | \vdash | ⊢ | ┢ | ┨ | | 63 | \vdash | - | | | | - | ├ | ╄ |
| | | \vdash | ┢ | ┢ | ⊢ | ⊢ | ┢ | ├ | | - | { | | 64 65 | \dashv | \dashv | _ | | | ⊢ | ⊢ | ╁ |
| | 15 | ┢ | | | - | ├ | ├ | - | \vdash | \vdash | | | 66 | - | \dashv | \dashv | _ | _ | - | ├ | ╁ |
| | 17 | ╁ | ┢ | ┼ | H | ╁ | ┢ | \vdash | \vdash | \vdash | 1 1 | | 67 | + | - | \dashv | | - | _ | ├ | ╁ |
| | 18 | ┢ | ┢╾ | - | H | \vdash | | | \vdash | \vdash | 1 1 | | 68 | | \dashv | \dashv | - | | \vdash | ┢ | ╁ |
| | 19 | ┢ | | 1 | t | ┢ | 1 | | ┢ | ┢ | 1 1 | | 69 | 1 | \dashv | - | _ | _ | | - | t |
| | 20 | | | | t | | 1 | | T | | 1 1 | | 70 | T | 7 | \neg | _ | _ | | \vdash | t |
| | 21 | + | | | İ | T | İ | | | | 1 1 | | 71 | 1 | \neg | | | | | Г | T |
| | 22 | A | | | | | | | \Box | | 1 1 | | 72 | | 7 | | | | | Г | T |
| | 23 | | | | | | | | | | 1 | | 73 | | 一 | | | | | | Τ |
| | 24 | П | | | | | | L | | | | | 74 | | | | | | | | |
| | 25 | Щ | | | <u> </u> | | | _ | | L |]] | | 75 | | | | | | | | |
| | 26 | Ш | <u> </u> | _ | <u> </u> | _ | <u> </u> | _ | L. | | | | 76 | | _ | _ | | | | L | L |
| | 27 | H | <u> </u> | ļ | ļ | <u> </u> | <u> </u> | _ | | _ | | | 77 | Щ | \dashv | _ | | <u> </u> | | _ | Ļ |
| <u> </u> | 28 | ┦ | _ | <u> </u> | <u> </u> | _ | | | _ | _ | | | 78 | \dashv | _ | | | ļ | | | ╀ |
| <u> </u> | 29 | ╂- | | | ├ | ┢ | ⊢ | | ⊢ | ⊢ | ┨ | | 79 | - | | \dashv | | <u> </u> | <u> </u> | | ╄ |
| \vdash | 30 31 | H | ⊢ | ├ | ┼— | ╁ | | - | ⊢ | ⊢ | ┨ | | 80 | - | | \dashv | | <u> </u> | <u> </u> | | ╁ |
| - | 32 | ╢ | ├- | ├ | ╁ | ╁ | | | | ⊢ | ┨ | | 81 82 | - | \dashv | \dashv | | \vdash | _ | - | ╁ |
| | 33 | H | \vdash | \vdash | ┢ | ┢ | | | \vdash | \vdash | 1 1 | | 83 | \dashv | + | \dashv | | - | \vdash | | ╁ |
| | 34 | 11 | ┢ | \vdash | | \vdash | | | | ┢ | 1 1 | | 84 | \dashv | 寸 | \dashv | | \vdash | | | t |
| | 35 | П | <u> </u> | | | T | | | ı | _ | 1 1 | | 85 | \forall | ┪ | | | ┢ | \vdash | \vdash | T |
| | 36 | 11 | T | T | T | Г | | | | Т | 1 | | 86 | \dashv | | ┪ | | | | | T |
| | 37 | | | | | | | | | |] | | 87 | | | | | | | | Γ |
| | 38 | ¥ | | | | | | | | |] [| | 88 | | | | | | | | I |
| | | ት | | <u> </u> | $oxed{oxed}$ | | | | | | | | 89 | | | | | | | | |
| | 40 | | | <u> </u> | | | | | | <u> </u> | | | 90 | \Box | _ | _ | | | | _ | |
| | 41 | ļ | <u> </u> | <u> </u> | _ | _ | _ | | | _ | | | 91 | _ | _ | _ | | _ | _ | <u> </u> | L |
| | 42 | | _ | <u> </u> | — | _ | | | | <u> </u> | | | 92 | | _ | _ | | _ | _ | <u> </u> | Ļ |
| | 43 | | \vdash | \vdash | - | | ├- | ├ | <u> </u> | - | | | 93 | \vdash | \dashv | | | <u> </u> | - | <u> </u> | ╀ |
| - | 44 45 | | \vdash | ├ | ├ | ├ | | ├ | <u> </u> | ├ | | | 94 | \vdash | \dashv | - | _ | | | | \vdash |
| - | 46 | | | ╁╌ | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | | 95 96 | \vdash | \dashv | - | _ | <u> </u> | | _ | \vdash |
| | 47 | | | 1 | \vdash | \vdash | | _ | ├─ | \vdash | | | 97 | \vdash | + | | | | \vdash | \vdash | \vdash |
| | 48 | _ | \vdash | \vdash | \vdash | | \vdash | \vdash | | \vdash | | | 98 | \vdash | \dashv | _ | | | | \vdash | \vdash |
| | 49 | T | | | t | | T | | | Г | 1 | | 99 | \dashv | \dashv | | | Н | | Г | T |
| | 50 | | 1 | Г | Г | | | | | | | | 100 | \dashv | 寸 | ᅦ | | | | | T |
| | | | | _ | • | • | | | | • | | | لتنب | | | | | | | | |

| С | Claim | | Date | | | | | | | | | | |
|----------|----------|--------------|--------------|--|--|--|--|--|--------------|----------------|--|--|--|
| | | | | | П | | | | | | | | |
| | Original | | | | 1 | | | Ì | | | | | |
| Final | ij | | | | 1 | | | | | | | | |
| " | lõ | | | | | | | l | | | | | |
| | 1 | L | | _ | | | | <u> </u> | <u> </u> | <u> </u> | | | |
| | 51 52 | | | | | | | | | | | | |
| | 52 | | | | l | | | 1 | | | | | |
| | 53 | | | | | | | \vdash | | Г | | | |
| | 54 | | _ | \vdash | | | | \vdash | _ | ┪ | | | |
| - | 54 55 | _ | - | | ├ | ┢ | \vdash | \vdash | ┢ | ┢ | | | |
| - | 155 | | | - | | | | - | - | ⊢ | | | |
| | 56 | | | _ | <u> </u> | _ | _ | <u> </u> | <u> </u> | <u> </u> | | | |
| | 57 | | _ | _ | <u> </u> | _ | | | _ | _ | | | |
| | 58 | | | | _ | | | | | | | | |
| | 59 | | | | | | | | | | | | |
| | 60 | | | | | , | | Ĭ | | | | | |
| | 61 | | | | | | | _ | | | | | |
| | 62 | | | _ | \vdash | | | _ | <u> </u> | | | | |
| | 63 | | \vdash | \vdash | | - | \vdash | | - | - | | | |
| <u> </u> | 64 | | ⊢ | - | 1 | | | ├— | ├ | - | | | |
| | | _ | <u> </u> | | | | \vdash | ┝ | | <u> </u> | | | |
| | 65 | | | _ | <u> </u> | | | | _ | _ | | | |
| <u> </u> | 66 | | L | | <u> </u> | | <u> </u> | | | | | | |
| | 67 | | | | | | | | | | | | |
| | 68 | | | | | | | | | | | | |
| | 69 | | | _ | Г | Г | | | | | | | |
| | 70 | | | | ┪ | \vdash | \vdash | - | H | \vdash | | | |
| - | 71 | - | _ | ┢ | ⊢ | _ | - | \vdash | ┢ | ┢ | | | |
| - | 1 70 | | | ├ | ⊢ | | _ | | ⊢ | ├ | | | |
| <u> </u> | 72 | _ | | <u> </u> | — | | _ | <u> </u> | <u> </u> | ┡ | | | |
| | 73 | | | | <u>_</u> | | | | L | | | | |
| | 74 | | | | | | | | | | | | |
| | 75 | | | | | | | | | | | | |
| | 76 | | | | | | | | | | | | |
| ļ | 77 | | | \vdash | _ | | | | | | | | |
| | 78 | T | | <u> </u> | \vdash | \vdash | | | - | | | | |
| | 79 | \vdash | - | | - | - | | _ | \vdash | \vdash | | | |
| | 100 | ├ | - | ⊢ | ⊢ | ⊢ | \vdash | - | - | - | | | |
| | 80 | | _ | | _ | <u> </u> | <u> </u> | | | _ | | | |
| | 81 | | _ | | _ | _ | _ | | | | | | |
| | 82 | | | <u> </u> | <u> </u> | L_ | | L_ | <u> </u> | <u> </u> | | | |
| | 83 | 匚 | 匚 | | $oxed{oxed}$ | | | | | | | | |
| | 84 | L | L | L | L | L | L | L | L | L | | | |
| | 85 | | | | _ | | | | | | | | |
| | 86 | | | Γ | | | | | | Г | | | |
| | 87 | \vdash | | | | | _ | | | | | | |
| | 88 | \vdash | \vdash | | \vdash | \vdash | \vdash | | | \vdash | | | |
| - | | | - | Н | H | \vdash | ┢ | - | | | | | |
| - | 89 | - | \vdash | \vdash | - | | | - | | _ | | | |
| | 90 | _ | _ | | <u> </u> | _ | _ | | | | | | |
| <u> </u> | 91 | <u> </u> | | L. | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | | | |
| | 92 | <u> </u> | | | <u></u> | | | <u> </u> | L | L | | | |
| | 93 | L | L | L | L | L | L | L | L | | | | |
| | 94 | | | | | | | | | | | | |
| | 95 | | T | П | | | | Г | | | | | |
| | 96 | \vdash | \vdash | \vdash | | | | | | | | | |
| | 97 | \vdash | \vdash | \vdash | - | \vdash | \vdash | \vdash | | - | | | |
| \vdash | 98 | \vdash | | - | | - | | \vdash | | - | | | |
| <u> </u> | | \vdash | | | \vdash | \vdash | \vdash | \vdash | - | \vdash | | | |
| <u> </u> | 99 | \vdash | <u> </u> | \vdash | <u> </u> | ļ | _ | <u> </u> | <u> </u> | ļ | | | |
| | 100 | | 1 | ı | 1 | | | ı | ı | ı | | | |

| | nim. | n Doto | | | | | | | | |
|----------|-------------------|--|------------|--|--|--------------|----------|----------|--|-----------------|
| L CI | aim | ├ | | _ | <u>l</u> | Date | <u>e</u> | _ | 1 | |
| Final | Original | | | : | | | | | | |
| | 101 102 | | | | | | | | | |
| | 102 | | _ | | <u> </u> | | | <u>_</u> | L | |
| | 103 | | <u> </u> | _ | _ | | <u> </u> | <u> </u> | <u> </u> | |
| | 104 105 | _ | <u> </u> | | | <u> </u> | ├— | | <u> </u> | |
| <u> </u> | 105 | | \vdash | ┢ | ┝ | ┢ | ├ | ├ | ├ | |
| _ | 107 | ┢ | \vdash | ╁ | - | - | _ | ┢ | | |
| | 108 | | \vdash | | | | _ | \vdash | | |
| | 109 | _ | | <u> </u> | <u> </u> | | | | _ | |
| | 110 | | | | | | | | | |
| | 111 | | | | | | | | | |
| | 112 | | | <u> </u> | | <u> </u> | | | | |
| <u> </u> | 112 113 114 | _ | | <u> </u> | _ | _ | <u> </u> | _ | _ | <u> </u> |
| <u> </u> | 114 | | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | - | <u> </u> |
| <u> </u> | 115 116 | ⊨ | <u> </u> | - | | \vdash | _ | \vdash | | |
| \vdash | 117 | | - | \vdash | \vdash | \vdash | - | \vdash | - | \vdash |
| | 118 | \vdash | ┢ | - | | \vdash | - | ┢ | _ | |
| | 118 119 | ┢ | ╁ | ┪ | \vdash | | Ė | \vdash | - | |
| | 120 | | † — | _ | | | <u> </u> | | | |
| | 121 | | \vdash | Г | \vdash | | | Г | T | |
| | 121 122 | | | | | | | | | |
| | 123 124 125 | | | | <u>_</u> | | | | | |
| <u> </u> | 124 | | | _ | <u> </u> | _ | ļ | <u> </u> | <u> </u> | |
| | 125 | <u> </u> | | ├- | ļ | | <u> </u> | <u> </u> | ļ | <u> </u> |
| | 120 | - | - | ├ | ├ | | | | - | _ |
| | 126 127 128 | \vdash | \vdash | | | \vdash | \vdash | - | ├─ | _ |
| | 129 | _ | | | \vdash | _ | _ | | \vdash | _ |
| | 129 130 | | | | | | | | | |
| | 131 | | | | | | | | | |
| | 132 | | | | | | | | | |
| | 133 | | | | $ldsymbol{ld}}}}}}$ | | | | | |
| | 134 | _ | _ | _ | ļ | <u> </u> | _ | | <u> </u> | |
| | 135 136 | <u> </u> | <u> </u> | _ | <u> </u> | L | | | <u> </u> | <u> </u> |
| | 136 | <u> </u> | _ | _ | | | _ | | - | <u> </u> |
| | 138 | | | | - | - | ┢ | _ | - | |
| | 139 | | - | <u> </u> | \vdash | | - | - | \vdash | \vdash |
| | 140 | | \vdash | \vdash | \vdash | ┢ | \vdash | \vdash | | Н |
| | 141 | | | | | | | | | |
| | 142 | | | | | | | | | |
| | 143 | | | | | | | | | |
| | 144 | \Box | L | L | | <u> </u> | | | _ | |
| <u> </u> | 145 | \vdash | <u> </u> | <u> </u> | | _ | _ | | _ | Щ |
| | 146 147 | - | ļ | <u> </u> | | \vdash | <u> </u> | _ | <u> </u> | $\vdash \vdash$ |
| | 148 | - | - | ├ | | _ | \vdash | <u> </u> | | Н |
| | 149 | _ | _ | | - | | | _ | _ | \vdash |
| | 150 | | | \vdash | | | | | | Н |
| | | | | | | | | | | . 1 |